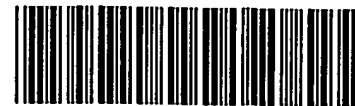


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/540,234  
Source: IFWP  
Date Processed by STIC: 06/20/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 06/20/2006

PATENT APPLICATION: US/10/540,234

TIME: 12:28:19

Input Set : E:\ARS-108-seqlist-replace.txt

Output Set: N:\CRF4\06202006\J540234.raw

```

3 <110> APPLICANT: Proudfoot, Amanda
4     Ajuebor, Maureen
5     Swain, Mark
7 <120> TITLE OF INVENTION: CC-CHEMOKINE MUTANTS AGAINST LIVER DISEASES
9 <130> FILE REFERENCE: ARS-108
11 <140> CURRENT APPLICATION NUMBER: US 10/540,234
12 <141> CURRENT FILING DATE: 2005-06-21
14 <150> PRIOR APPLICATION NUMBER: EP 02102885.7
15 <151> PRIOR FILING DATE: 2002-12-23
17 <150> PRIOR APPLICATION NUMBER: EP 03077237.0
18 <151> PRIOR FILING DATE: 2003-07-17
20 <160> NUMBER OF SEQ ID NOS: 3
22 <170> SOFTWARE: PatentIn version 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 68
26 <212> TYPE: PRT
27 <213> ORGANISM: artificial sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Triple 40's RANTES mutant
32 <400> SEQUENCE: 1
34 Ser Pro Tyr Ser Ser Asp Thr Thr Pro Cys Cys Phe Ala Tyr Ile Ala
35 1           5           10           15
37 Arg Pro Leu Pro Arg Ala His Ile Lys Glu Tyr Phe Tyr Thr Ser Gly
38           20           25           30
40 Lys Cys Ser Asn Pro Ala Val Val Phe Val Thr Ala Ala Asn Ala Gln
41           35           40           45
43 Val Cys Ala Asn Pro Glu Lys Lys Trp Val Arg Glu Tyr Ile Asn Ser
44           50           55           60
46 Leu Glu Met Ser
47 65
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 70
52 <212> TYPE: PRT
53 <213> ORGANISM: artificial sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Triple MIP-1alpha mutant
58 <400> SEQUENCE: 2
60 Ala Ser Leu Ala Ala Asp Thr Pro Thr Ala Cys Cys Phe Ser Tyr Thr
61 1           5           10           15
63 Ser Ala Gln Ile Pro Gln Asn Phe Ile Ala Asp Tyr Phe Glu Thr Ser
64           20           25           30
66 Ser Gln Cys Ser Lys Pro Gly Val Ile Phe Leu Thr Lys Ala Ser Ala
67           35           40           45

```

## RAW SEQUENCE LISTING

DATE: 06/20/2006

PATENT APPLICATION: US/10/540,234

TIME: 12:28:19

Input Set : E:\ARS-108-seqlist-replace.txt

Output Set: N:\CRF4\06202006\J540234.raw

```

69 Gln Val Cys Ala Asp Pro Ser Glu Glu Trp Val Gln Lys Tyr Val Ser
70      50                      55                      60
72 Asp Leu Glu Leu Ser Ala
73 65                      70
76 <210> SEQ ID NO: 3
77 <211> LENGTH: 69
78 <212> TYPE: PRT
79 <213> ORGANISM: artificial sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Triple MIP-1beta mutant
84 <400> SEQUENCE: 3
86 Ala Pro Met Gly Ser Asp Pro Pro Thr Ala Cys Cys Phe Ser Tyr Thr
87 1      5                      10                      15
89 Ala Arg Lys Leu Pro Arg Asn Phe Val Val Asp Tyr Tyr Glu Thr Ser
90      20                      25                      30
92 Ser Leu Cys Ser Gln Pro Ala Val Val Phe Gln Thr Ala Ala Ser Ala
93      35                      40                      45
95 Gln Val Cys Ala Asp Pro Ser Glu Ser Trp Val Gln Glu Tyr Val Tyr
96      50                      55                      60
98 Asp Leu Glu Leu Asn
99 65

```

**VERIFICATION SUMMARY**

DATE: 06/20/2006

PATENT APPLICATION: US/10/540,234

TIME: 12:28:20

Input Set : E:\ARS-108-seqlist-replace.txt

Output Set: N:\CRF4\06202006\J540234.raw